



AMAZONE



Orientation Aid for the Start of the Season Catros+/CatrosXL x003-2TX

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1. General information

- Use of this document requires that the **operating manual** for the implement has been read and understood. The corresponding documents are shown on the right side.
- For this reason, it is **necessary** to refer to the operating manual for additional information. The **operating manual** must **always be available** when performing the orientation aid for the start of the season with the Catros+/CatrosXL x003-2TX.
- The **Orientation Aid for the Start of the Season - Catros+/CatrosXL x003-2TX** document serves as a guideline for the user to check the implement for the new season and to put it back into operation. This document is based on the current implement generation and is also only valid for this version.



MG5526



MG6462

2. Requirements for operating the implement

Requirements for the hitches

- Lower link hitch – Cat. 3/Cat. 4N/Cat. K700
- Ball hitch coupling
- Drawbar eye

PLEASE NOTE: (see spare parts portal for the product range)

Requirements for the tractor pulling power

- Starting at 30 HP/m of working width for Catros+ x003-2TX
- Starting at 40 HP/m of working width for CatrosXL x003-2TX

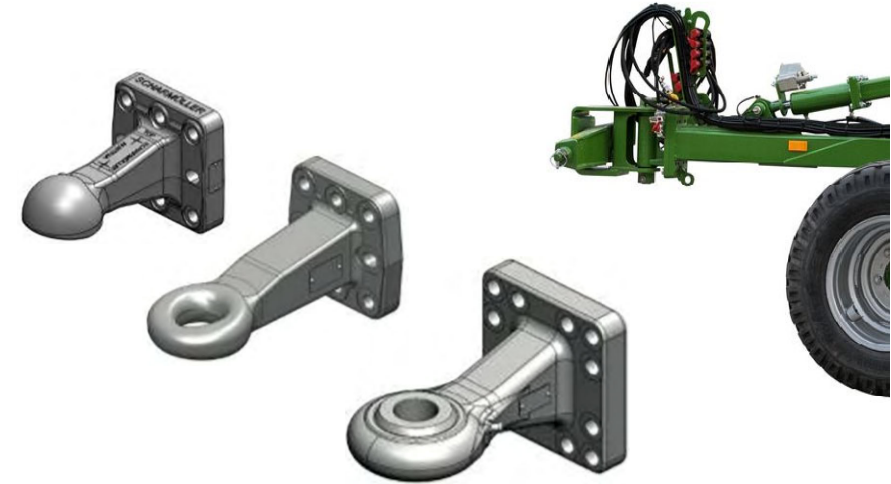
Requirements for the tractor hydraulic system

- Depending on the equipment, 2 – 5 double-acting control units with pressureless return flow
- Oil capacity of min. 150 bar at 15 l/min (30 l/min with GreenDrill 501)
- Maximum system pressure 210 bar

Requirements for ballasting the tractor

- The permissible total weight of the tractor **MUST** be greater than:
 - Tractor empty weight + ballast weight + drawbar load of the trailed implement
- The tractor front axle must always be loaded with at least 20 % of the tractor empty weight.

- [3] Vehicle identification number
- [4] Permissible technical total weight
- [A0] Permissible technical drawbar load of the implement
- [A1] Permissible technical axle load of the implement
- [B4] Permissible technical trailer load for a vehicle with pneumatic service brake



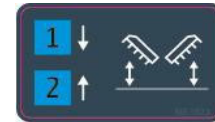
AMAZONEN-WERKE H. DREYER SE & Co. KG						
	[1]				[2]	
		[3]				[4] kg
		T-1	T-2	T-3	A-0:	kg
B-2		-	-	-	A-1:	kg
B-4	[5]		-	-	A-2:	kg

3. Assembly groups and functions

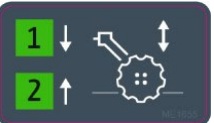
[1] Running gear



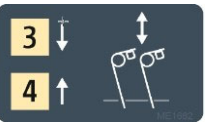
[2] Side sections



[3] Disc array



[4] Additional tools (here, for example, the cutting roller)



[1] Drawbar (cylinder)

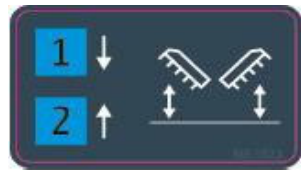
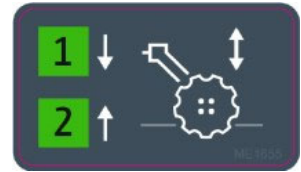
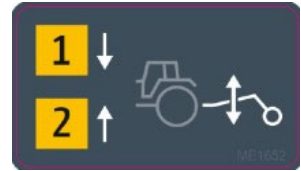
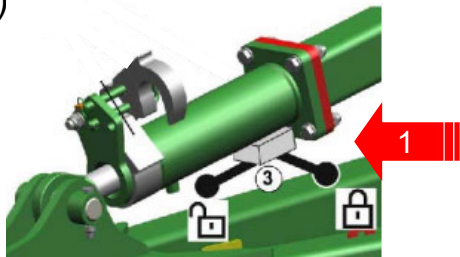


Support wheels
(no hydraulic function)

- 1 Running gear / drawbar cylinder – lowering / lifting the implement – always hydraulic
- 2 Side sections – unfolding / folding the implement – always hydraulic
- 3 Working depth adjustment – increasing / reducing the working depth – choice of mechanical or hydraulic adjustment
- 4 Additional tools – option of mechanical or hydraulic control

4. Hitching the implement and coupling the hydraulic system

1. Hitch the implement.
2. Connect the hydraulic plugs to the connections of the tractor hydraulic system.
3. Open the drawbar cylinder ball valve [1].
4. Lift the implement [2 ↑] and fold the jack (release the parking brake beforehand if applicable)



- TIP:**
- Select the control units according to the frequency of use during operation.
Suggestion >>> yellow / beige / green / blue



- Couple **hydraulic plugs 1 and 3** on the side of the tractor control unit (-) that can be directly switched to float position after actuation.



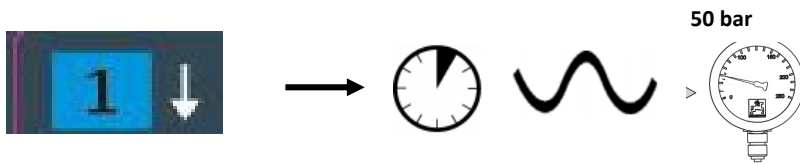
5. Unfolding the implement

1. Use [2 ↑] to completely pull the side sections onto the centre frame ①.
2. Then unfold the implement [1 ↓] ②.

PLEASE NOTE:

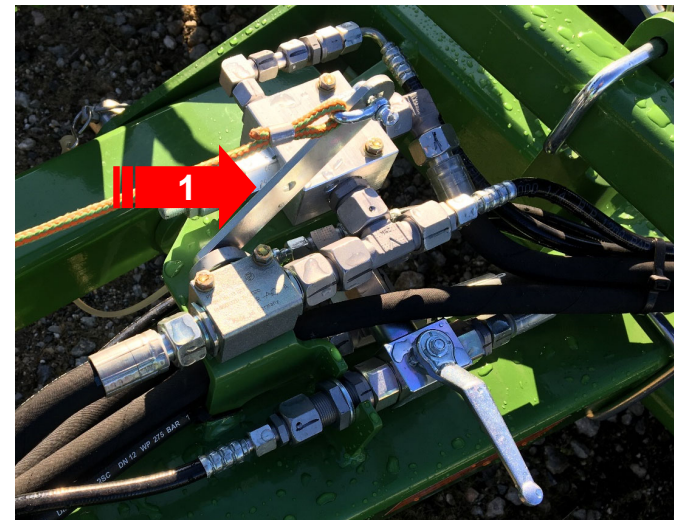
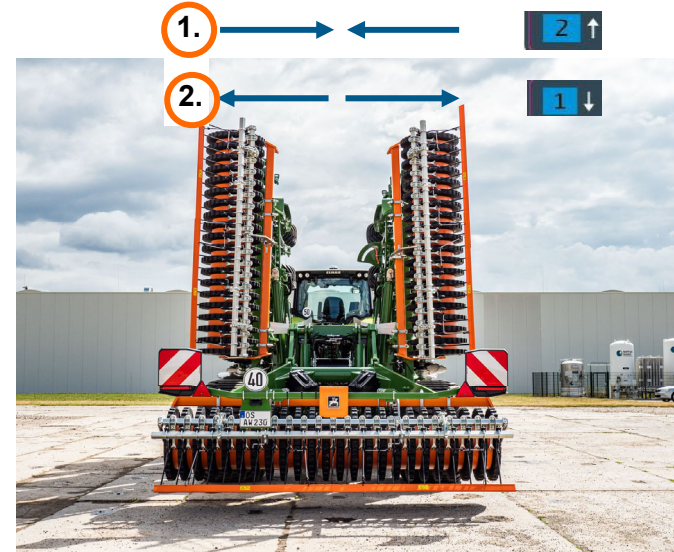
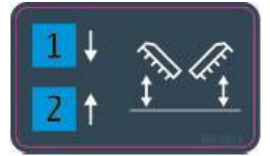
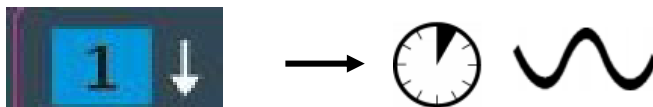
- When using the implement with this tractor for the first time, set the oil volume (l/min) to the maximum value.

Implements with ContourFrame – hydraulic ground contour adaptation



Pressure according to factory setting 50 bar

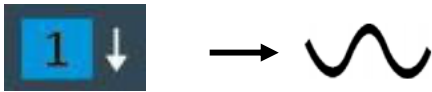
Implements without ContourFrame – no hydraulic ground contour adaptation



6. Basic positions of the implement

Headlands position

1. Implement completely unfolded – blue switched to float position

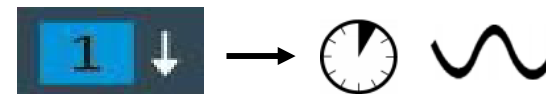


2. Lift the implement completely – yellow switched to "0" position



Working position

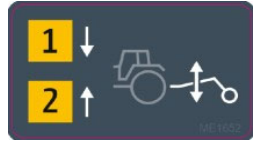
1. Implement completely unfolded – blue switched to float position



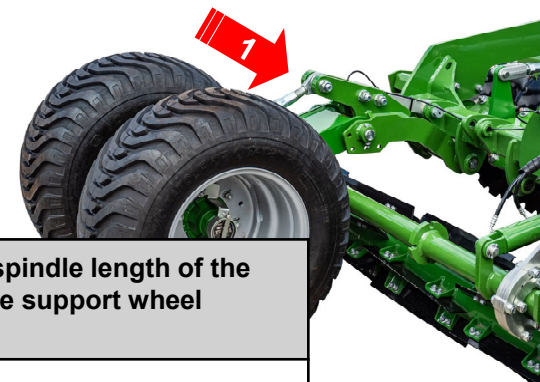
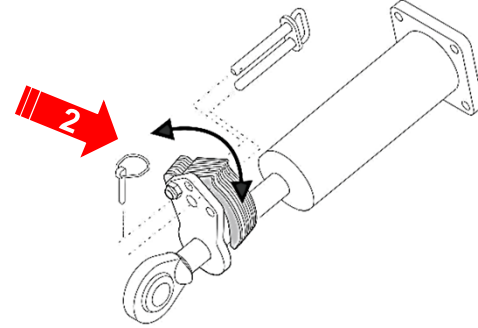
2. Lower the implement completely – switch yellow to float position



7. Setting up the implement on the tractor



1. Move the implement to the **headland position**.
2. Length of the support wheel spindles [1] at factory setting (see table)?
3. Put spacer elements on the drawbar cylinder (10 spacers in the first step) [2].
4. Move the implement to the **working position** (without disc array!) and pull forward by approx. 5 m.



PLEASE NOTE:

- The drawbar cylinder must be resting on the spacer elements >> **No play on the upper belt of the drawbar!** [3].

5. Drawbar and centre frame parallel to the ground (X1 = X2)?

 - If necessary, adjust the parallelism with spacer elements.

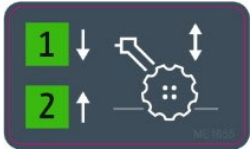
TIP:

- For optimum transfer for the pulling force, the lifting gear arms of the tractor should be horizontal.
- **Setting up the implement is best performed on a level and firm surface** (business premises / courtyard).

Product type	Factory-set spindle length of the top link of the support wheel bracket
Catros+ x003-2TX	550 mm
CatrosXL x003-2TX	575 mm
Both with cutting roller	645 mm



8. Adjusting the working depth



- Implement in *headlands position*

Mechanical working depth adjustment

- Adjust the working depth on the ratchet spindles [1]. Adjust all four spindles (!) to the same length!
Shorter = deeper <> Longer = shallower

Hydraulic working depth adjustment

- The working depth can be adjusted during field operation with the green hydraulic function



Deeper



Shallower

PLEASE NOTE:

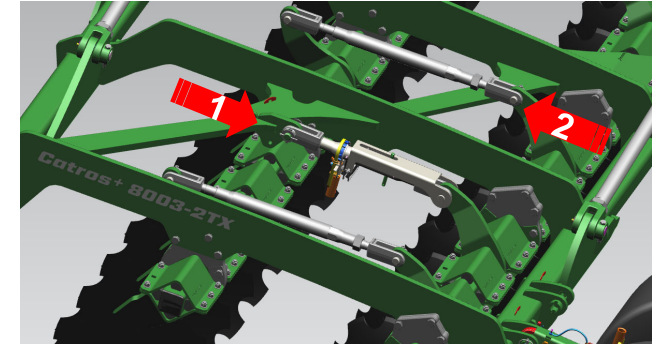
- **Calibrate the depth adjustment circuit** several times daily.
- Set the **minimum working depth** / [2 up] for approx. **30 s.**

Check the work pattern:

- Move the implement into *working position*.
- Drive at working speed (12-18 km/h).
- Expose the tillage horizon / check the work pattern
- Check the working depth of the first and second disc gang.

Tip:

- The **top link spindles [2]** can be used to compensate for varying disc wear between the two disc gangs.



Factory settings for the top link spindles

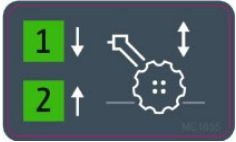
Product type	Factory-set spindle length of the top link disc array
Catros+ x003-2TX	800 mm
CatrosXL x003-2TX	950 mm

9. Adjusting the side disc

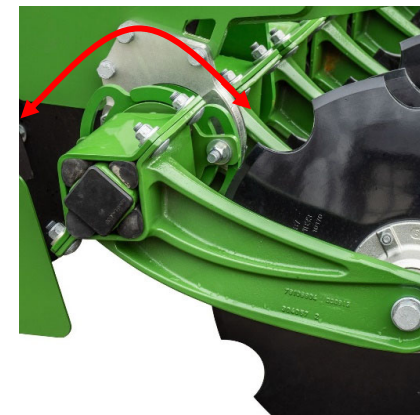
1. Move the implement into **working position**.
2. Adjust the working depth (see section 9) and unfold the side discs.
3. Drive at working speed (12-18 km/h).
4. Check the work pattern of the side disc and adjust if necessary.

Tip:

- The goal is to achieve a side area at the same height as the remaining worked soil horizon!
- Does the side disc leave a furrow?
 >> Set the side disc shallower.
- Does the side disc form a wall? Lots of soil flies beyond the working width of the implement?
 >> Set the side disc deeper.

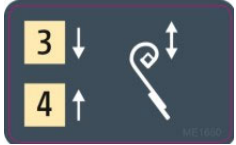



Catros+ x003-2TX side disc



CatrosXL x003-2TX side disc

10. Using the crushboard / straw harrow (additional equipment)



- The working depth can be adjusted during field operation with the beige hydraulic function  .



- Reading of the work intensity as a reference value (!) on the scale – right side section **[2]**.

PLEASE NOTE:

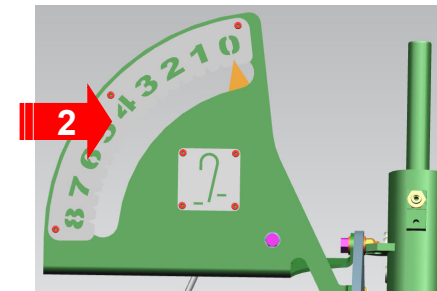
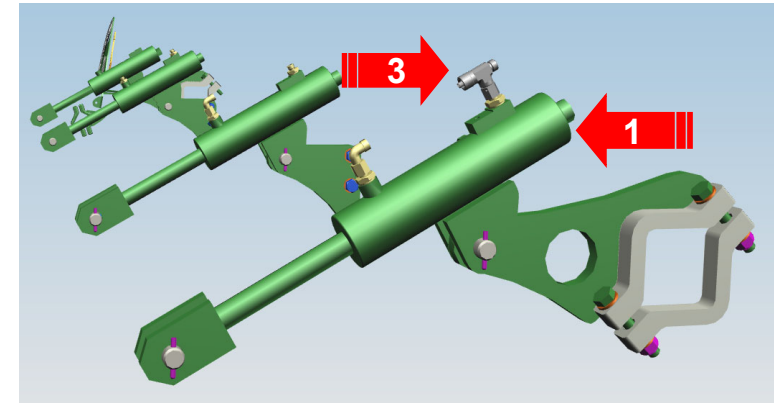
- Calibrate the depth adjustment circuit several times daily.
- Set the minimum working depth /  for approx. 30 s.

Check the work pattern:

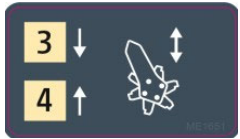
- Move the implement into **working position**.
- Drive at working speed (12-18 km/h).
- Check the flow of soil, work and susceptibility to clogging of the crushboard during operation.
- For the straw harrow, check the distribution and the susceptibility to clogging

TIP:

- Adjust the setting speed using the tractor control unit or the throttle valve on the cylinder **[3]**.
- Compensate for wear or work more aggressively by moving the wear plates lower down **[4]**.



11. Using the cutting roller (additional equipment)



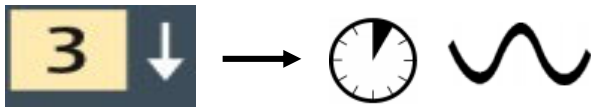
1. Move the implement to the **headland position**.

2. Open the ball valve [1] – Position 1.



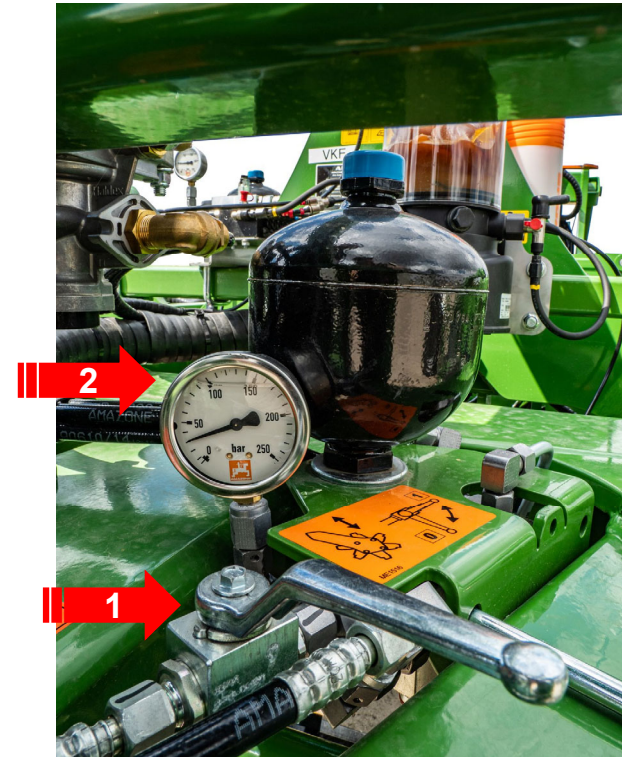
3. Actuate the control unit until the value on the pressure gauge [2] remains constant.

4. Switch to float position.



Factory setting for the preload pressure – 25 bar

5. Move the implement into **working position**.



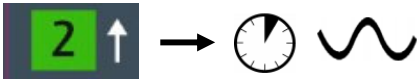
12. Preparing for road transport



1. Move the implement to the **headland position**.



2. Set the discs to the minimum working depth to achieve a transport width of 3 m.

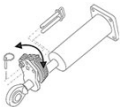


PLEASE NOTE: applies also for implements with mechanical working depth adjustment!

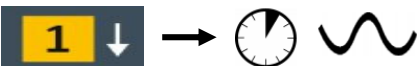
3. Fold the side discs.
4. Fold the implement.



5. Put all of the spacer elements on the drawbar cylinder.



6. Lower the implement until the drawbar cylinder is resting firmly on the spacer elements – pay attention to a transport height of max. 4 m!



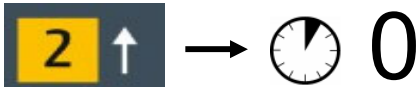
7. Close the stop tap on the drawbar cylinder.
8. Remove loose soil from the discs and mounted roller / check the lighting and the service brake / install the harrow covering strips (if the harrow is mounted).

13. Preparing for road transport – with crushboard / straw harrow or cutting roller



Cutting roller

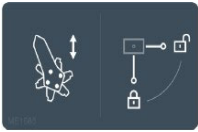
1. Move the implement to the **headland position**.



2. Lift the cutting roller.



3. Close the ball valve.

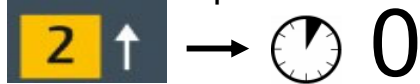


4. Remove loose soil from the roller segments.



Crushboard / straw harrow

1. Move the implement into **headlands position**.



2. Lift the crushboard / straw harrow.



3. Remove loose soil from the tines.

SmartLearning app

The AMAZONE SmartLearning app offers video training courses for the operation of Amazone implements. The video training courses can be downloaded onto your smartphone if necessary, and are therefore available offline. Simply select the desired implement for which you want to watch a video training course.



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